



07:41PM FROM Fenwick & West

415 281 1350

T-181 P.011/014 F-828

AUG 30 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371 (C) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/826,927	04/16/2004	Richard Crandall	18602-08059

00758
FENWICK & WEST LLP
SILICON VALLEY CENTER
801 CALIFORNIA STREET
MOUNTAIN VIEW, CA 94041

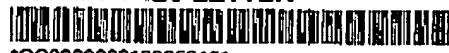
Fenwick & West

JUL 01 2004

Received

CONFIRMATION NO. 1026

FORMALITIES LETTER



OC000000013085919

09/01/2004 EFLORES 00000079 192555 10826927

Date Mailed: 06/28/2004

01 FC:1001 770.00 DA
02 FC:1201 86.00 DA
03 FC:1202 18.00 DA
04 FC:1051 130.00 DA

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION**FILED UNDER 37 CFR 1.53(b)***Filing Date Granted***Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment.

- Additional claim fees of \$104 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$1004 for a Large Entity

- \$770 Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.

- Total additional claim fee(s) for this application is \$104
 - \$86 for 1 independent claims over 3.
 - \$18 for 1 total claims over 20.

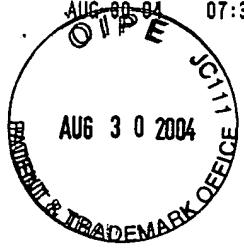
Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

T-181
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



07:39PM FROM-Fenwick & West

415 281 1350

T-181 P.005/014 F-828

PATENT**IN THE UNITED STATES****PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Richard Eugene Crandall, et al.

APPLICATION NO.: 10/826,927

FILING DATE: April 16, 2004

TITLE: FAST LOSSLESS ENCODER FOR DIGITIZED ANALOG DATA

EXAMINER: Unassigned

GROUP ART UNIT: 2819

ATTY. DKT. NO.: 18602-08059

CERTIFICATE OF FACSIMILE TRANSMISSION			
I hereby certify that this correspondence, including the enclosures identified above, is being transmitted on the date shown below via facsimile to: Commissioner for Patents at the facsimile number indicated below.			
Signature:			
Typed or Printed Name:	Daniel R. Brownstone	Dated:	August 30, 2004
Facsimile Number:	1-703-746-4060		

MAIL STOP MISSING PARTS
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

**RESPONSE TO NOTICE TO FILE MISSING
PARTS OF APPLICATION**

SIR:

Responsive to the Notice to File Missing Parts dated June 28, 2004 received in the above-identified patent application,

 Enclosed are:

- a copy of the Notice to File Missing Parts;
- an original, signed Declaration;
- a general power of attorney with original Statement under CFR 3.73(b);
- an Application Data Sheet;

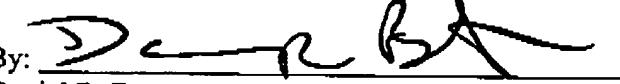
18602/08059/SF/5127654.11

PATENT

- payment in the amount of \$ 1004.00 for the
 - application filing fee;
 - fee for additional claims; and
 - missing parts surcharge.
- Other
- Applicant claims small entity status under 37 C.F.R. § 1.27.

Respectfully submitted,
RICHARD EUGENE CRANDALL, ET AL.

Dated: 30 Aug 2004.

By: 
Daniel R. Brownstone, Reg. No.: 46,581
Fenwick & West LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (415) 875-2358
Fax.: (650) 938-5200

18602/08059/SF/5127654.12



FENWICK & WEST LLP

SAN FRANCISCO OFFICE | 275 BATTERY ST., SUITE 1500 | SAN FRANCISCO, CA 94111
 TEL 415.875.2300 | FAX 415.281.1350 | WWW.FENWICK.COM

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AM



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DATE: August 30, 2004

CLIENT-MATTER No.: 18602-08059
 Client Ref. No. P3161

To:

NAME	FAX NO.	PHONE NO.
Commissioner for Patents	(703) 746-4060	

FROM: Daniel R. Brownstone
 SENT BY: Tracie Brooks

PHONE: (415) 875-2358
 PHONE: (415) 875-2482

NUMBER OF PAGES WITH COVER PAGE: 14	ORIGINAL WILL NOT FOLLOW
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MESSAGE:

RESPONSE TO NOTICE OF MISSING PARTS

Applicants: Richard Eugene Crandall, et al.
 App. No.: 10/826,927
 Filing Date: April 16, 2004

SEP - 1 2004
 OIE/JCWS

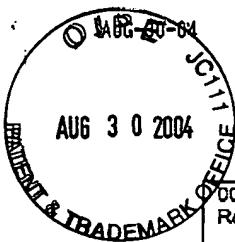
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A1000/00103/SF/5121796.1



07:38PM FROM Fenwick & West

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T-181 P.002/014 F-828

0001/PTO
Rev. 10/95U.S. Department of Commerce
Patent and Trademark Office

Application Number

10/826,927

Filing Date

April 16, 2004

First Named Inventor

Richard Eugene Crandall

Group Art Unit Number

2819

Examiner Name

Unassigned

Total Number of Pages in This Submission

13

Attorney Docket Number

18602-08059/US

TRANSMITTAL FORM

(to be used for all correspondence during pendency of filed application)

ENCLOSURES (check all that apply)	
<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) <input checked="" type="checkbox"/> USPTO Deposit account authorization <input type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Response to Notice to File Missing Parts <input type="checkbox"/> Assignment & Recordation Cover Sheet <input checked="" type="checkbox"/> Declaration <input type="checkbox"/> Power of Attorney <input checked="" type="checkbox"/> Application Data Sheet <input type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input type="checkbox"/> Copies of IDS Cited References <input type="checkbox"/> Request for Corrected Filing Receipt <input type="checkbox"/> Request for Correction of Recorded Assignment <input type="checkbox"/> Amendment/Response: [] Page(s) <input type="checkbox"/> After Final <input type="checkbox"/> Status Request <input type="checkbox"/> Revocation and Substitute Power of Attorney	<input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Letter to Chief Draftsperson <input type="checkbox"/> Formal Drawing(s): <input type="checkbox"/> [] Sheet(s) of Figure(s) [] <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> After Allowance Communication to Group <input checked="" type="checkbox"/> Fax cover sheet <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

REMARKS:

SIGNATURE OF ATTORNEY OR AGENT

Signature:

Attorney/Reg. No.:

Daniel R. Brownstone, Reg. No. 36,581

Dated: August 30, 2004

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence, including the enclosures identified above, is being transmitted on the date shown below via facsimile to: Commissioner for Patents at the facsimile number indicated below.

Signature:

Typed or Printed Name:

Daniel R. Brownstone

Dated: August 30, 2004

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18602/08059/SF/5127652.1



AUG-30-04 10:39PM FROM-Fenwick & West

415 281 1350

T-181 P.004/014 F-828

AUG 30 2004

FEET TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1004.00)

Complete if Known	
Application Number	10/826,927
Filing Date	April 16, 2004
First Named Inventor	Richard Eugene Crandall
Examiner Name	Unassigned
Art Unit	2819
Attorney Docket No.	18602-08059

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account

Deposit Account Number

19-2555

Deposit Account Name

Fenwick & West LLP

The Commissioner is authorized to: (check all that apply)
 Charge fee(s) indicated below Credit any overpayments
 Charge all required fee(s) or any underpayment of fee(s) due under 37 CFR §1.16 or §1.17 during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee

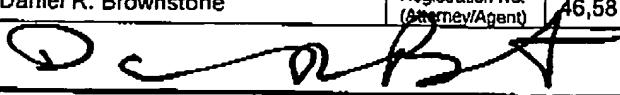
to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	770
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)		(\$ 770.00)	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			
Total Claims	Extra Claims	Fee from below	Fee Paid
21	-20** = 1	18	18.00
Independent Claims	4 -3** = 1	86	86.00
Multiple Dependent			
Large Entity	Small Entity		
Fee Code (\$)	Fee Code (\$)	Fee Description	
1202 18	2202 9	Claims in excess of 20	
1201 88	2201 43	Independent claims in excess of 3	
1203 290	2203 145	Multiple dependent claim, if not paid	
1204 88	2204 43	**Reissue independent claims over original patent	
1205 18	2205 9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)		(\$ 104.00)	
*or number previously paid, if greater. For Reissues, see above			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$ 130.00)			

SUBMITTED BY

Name (Print/Type)	Signature	Registration No. (Attorney/Agent)	Complete (if applicable)
Daniel R. Brownstone		46,581	Telephone (415) 875-2358
			Date August 30, 2004